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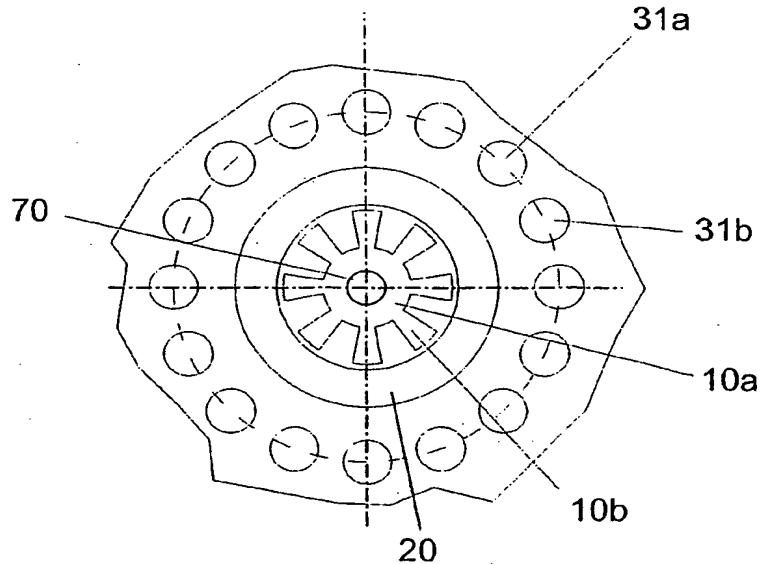
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(54) Title: BURNER FOR CHEMICAL VAPOUR DEPOSITION OF GLASS



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(57) Abstract: A burner for a vapour deposition process has a central nozzle (10) for ejecting a glass precursor material, at least a crown of nozzles (31) surrounding said central nozzle (10) for ejecting a flame reactant, and a circular nozzle (20) between said central nozzle (10) and said crown of nozzles (31) for ejecting an innershield gas, wherein the central nozzle (10) has a concave shape in a cross section in the axial plane and, preferably, a symmetry about an axial plane.